

Recessed

R3-6454

Recessed spotlight

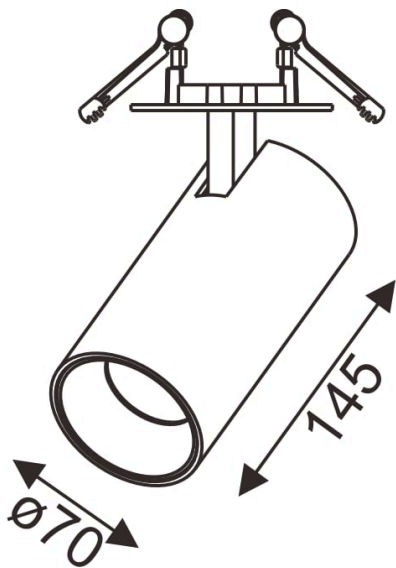


Recessed spotlight. 20 W. Four beam angles, 15° to 60°. 3000, 4000 K. 97 CRI.

- Ceiling cut-out Ø70 mm
- LED source: Citizen

Power 20 W	Luminous flux 2000–2100 lm	Colour temperature 3000 K, 4000 K
CRI 97 CRI	Beam angles 15°, 24°, 36°, 60°	IP rating IP20
Certifications CE, RoHS, EMC, LVD	Mounting Recessed	Control DALI-2, 0-10V, Triac, Casambi
Finishes White, Black, Grey		

Dimensions



Models

Code	Power	Flux	CRI	Size	Cut-out	Beam
R3-6454	20 W	2000–2100 lm	97 CRI	Ø70 × 145 mm	Ø70 mm	15° 24° 36° 60°

Photometric data

Illuminance on the beam axis (lx) and beam diameter at each mounting distance, per model and beam angle. IES files for every model and beam can be downloaded from the product page.

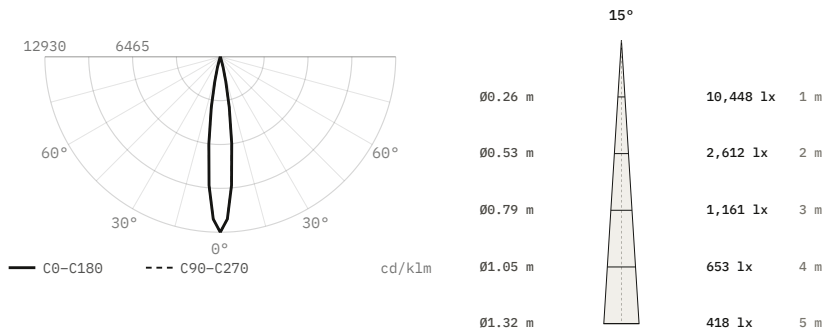
20 W

15°			36°			45°		
Ø0.29 m	10,448 lx	1 m	Ø0.58 m	3,774 lx	1 m	Ø0.65 m	3,792 lx	1 m
Ø0.59 m	2,612 lx	2 m	Ø1.36 m	941 lx	2 m	Ø1.30 m	948 lx	2 m
Ø0.88 m	1,160 lx	3 m	Ø2.04 m	418 lx	3 m	Ø1.96 m	421 lx	3 m
Beam	1 m		2 m			3 m		
15°	10,448 lx Ø290 mm		2,612 lx Ø590 mm			1,160 lx Ø880 mm		
36°	3,774 lx Ø580 mm		941 lx Ø1360 mm			418 lx Ø2040 mm		
45°	3,792 lx Ø650 mm		948 lx Ø1300 mm			421 lx Ø1960 mm		

Photometry

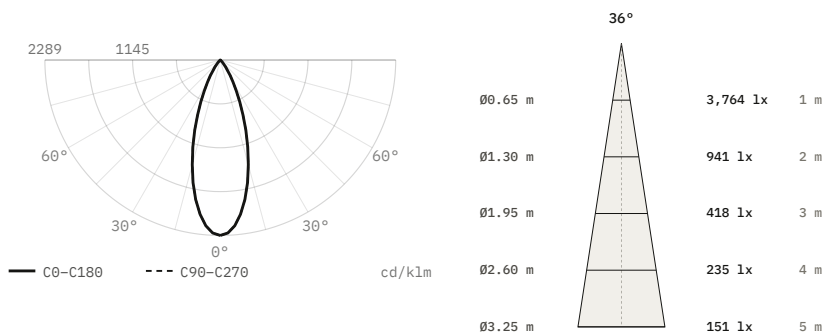
Polar curve, on-axis illuminance with beam diameter at 1–5 m, and key figures for R3-6454, from the same data as the IES and LDT files on the product page. Calculated from catalogue data, not measured with a goniophotometer. Other models with the same beam share this distribution, scaled to their luminous flux.

R3-6454, 20 W, 15° beam



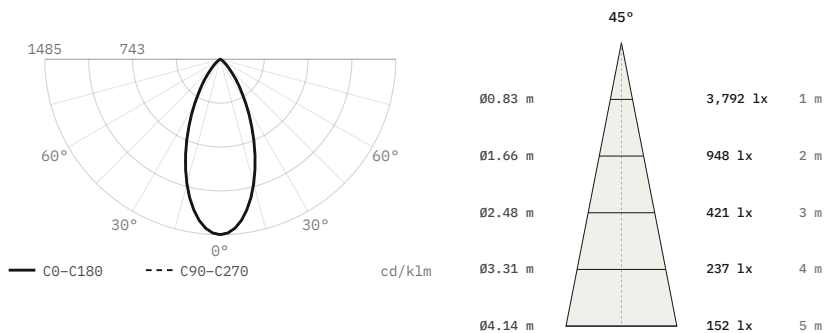
Luminous flux	808 lm
Efficacy	40 lm/W
Peak intensity	10,448 cd, 12,930 cd/klm
Beam angle (50%)	15°
Field angle (10%)	27.3°
Cut-off angle (2.5%)	17°
Flux 0–30° / 30–60° / 60–90°	100 / 0 / 0 %
Size	Ø70 × 145 mm
Data	Calculated from catalogue data

R3-6454, 20 W, 36° beam



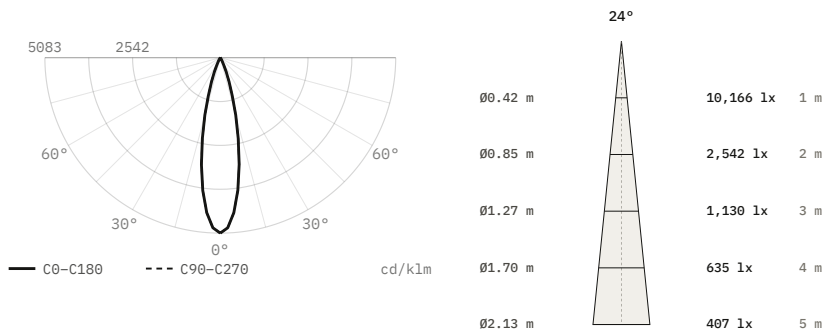
Luminous flux	1,644 lm
Efficacy	82 lm/W
Peak intensity	3,764 cd, 2,289 cd/klm
Beam angle (50%)	36°
Field angle (10%)	65.6°
Cut-off angle (2.5%)	41.5°
Flux 0–30° / 30–60° / 60–90°	86.1 / 13.9 / 0 %
Size	Ø70 × 145 mm
Data	Calculated from catalogue data

R3-6454, 20 W, 45° beam



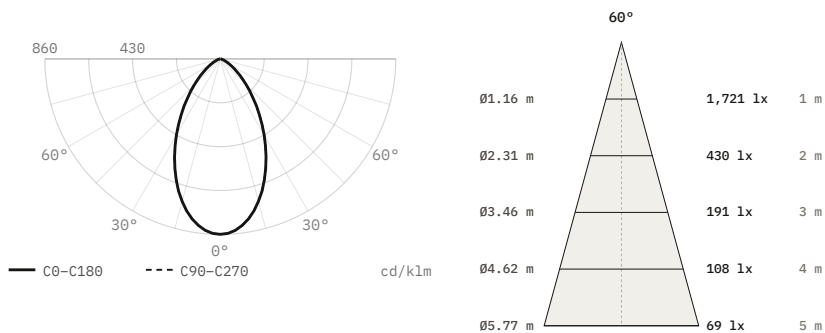
Luminous flux	2,554 lm
Efficacy	128 lm/W
Peak intensity	3,792 cd, 1,485 cd/klm
Beam angle (50%)	45°
Field angle (10%)	82°
Cut-off angle (2.5%)	51.5°
Flux 0–30° / 30–60° / 60–90°	72.2 / 27.2 / 0.6 %
Size	Ø70 × 145 mm
Data	Calculated from catalogue data

R3-6454, 20 W, 24° beam



Luminous flux	2,000 lm
Efficacy	100 lm/W
Peak intensity	10,166 cd, 5,083 cd/klm
Beam angle (50%)	24°
Field angle (10%)	43.7°
Cut-off angle (2.5%)	27.5°
Flux 0–30° / 30–60° / 60–90°	98.7 / 1.3 / 0 %
Size	Ø70 × 145 mm
Data	Calculated from catalogue data

R3-6454, 20 W, 60° beam



Luminous flux	2,000 lm
Efficacy	100 lm/W
Peak intensity	1,721 cd, 860 cd/klm
Beam angle (50%)	60°
Field angle (10%)	109.4°
Cut-off angle (2.5%)	69°
Flux 0–30° / 30–60° / 60–90°	52.4 / 42.6 / 5 %
Size	Ø70 × 145 mm
Data	Calculated from catalogue data

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Technical data may change without notice.